Name _____ Date _____

Composition of Functions - Independent Practice Worksheet

Complete all the problems.

1. Use the following function rule to find f(m - 9). Simplify your answer.

f(c) = 6c

2. The two functions t(x) and v(x) are defined below.

$t(x) = 2x - 5$ $v(x) = x^2 + 5$

Evaluate the composition of functions v(t(3))

3. The two functions t(x) and v(x) are defined below.

$t(x) = 6x - 1$ $v(x) = x^2 + 1$

Evaluate the composition of functions v(t(4))

4. The two functions t(x) and v(x) are defined below.

$t(x) = 3x - 2$ $v(x) = x^2 + 2$

Evaluate the composition of functions v(t(3))

5. The two functions t(x) and v(x) are defined below.

$t(x) = 8x - 3$ $v(x) = x^2 + 3$

Evaluate the composition of functions v(t(2))

6. Use the following function rule to find f(m - 2). Simplify your answer.

f(c) = 3c

7. Use the following function rule to find f(m - 5). Simplify your answer.

f(c) = 3c

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8. Use the following function rule to find f(m – 7). Simplify your answer.

f(c) = 4c

9. Use the following function rule to find f(m - 3). Simplify your answer.

f(c) = 4c

10. The two functions t(x) and v(x) are defined below.

$t(x) = 7x - 5$ $v(x) = x^2 + 5$

Evaluate the composition of functions v(t(6))